

ABSTRACT OF THE DISCLOSURE

A flexible, hollow, waveguide is featured, that functions
in the visible region. The waveguide comprises a hollow,
5 flexible, silica-glass tube having a smooth bore, that is
coated with a reflective substance on the inner bore surface.
A composite of two sulfide materials are then layered over the
reflective substance. The sulfide materials form a high
contrasting refractive index of approximately 2 : 1, thus
10 creating a photonic, bandgap tube.